MIUW-SU Newsletter

Volume 6, Issue 1 April 2002

FROM THE PROGRAM MANAGER

The tragic events of 11 September 2001 have had a profound impact on all of us and has changed our lives in so many different ways. The MIUW-SU program office and ISEA/maintenance facility have also been affected by these events. While our commitment to provide the best possible support to the NCW Community has remained unchanged, our focus, however, has now crystallized. Providing support that will serve to immediately improve the readiness of the MIUW Units has become our primary goal. In order to achieve this goal, we have developed and are currently executing a comprehensive plan to provide system grooms and operator and maintainer training for the MIUW Units. Also, we are in the process of increasing available spares with the additional funding that has been provided. With a greater number of MIUW personnel now on active duty, we have been able to more quickly resolve casualty reports with the increased ability to troubleshoot problems, more quickly send and receive parts, and more quickly test system corrections.

We are also proud to announce the delivery of the first MIUW V4 system to NCW Group ONE on 16 November 2001! This was the culmination of much hard work and countless hours by the MIUW team in resolving design and testing issues. Additional work remains, but we plan to deliver the next four V4 systems by the end of 2002.

As usual, please feel free to contact me or any other members of the program office team to let us know how we can better serve you and provide you with the tools, systems, and support you need.

NCW Group One accepts delivery of the first V4 system 16 November 2001. Picture (left to right) Kevin Washburn-MIUW-SU Program Office, CDR Earle Kirkley-NCW Group One, CDR Michele Williams-MIUW-SU Program Manager, and Tom Bamburg– MIUW-SU ISEA.

MIUW PERSONNEL CHANGES

Mr. Dan Athey has assumed the position of logistics manger in the MIUW-SU Program Office. Dan is a recently retired USNR(TAR) Commander with REDCOM and Reserve manpower and training experience. His last active duty assignment was as Chief Staff Officer at REDCOM Region 19 (now REDCOM Region SW) in San Diego. He has spent the past year assigned to SPAWAR 04L and 04H supporting a wide range of logistics projects such as IT-21 Block 1 Upgrade, JCC(X), LPD-17, SPAWAR training strategies, and consolidating Logistic Requirement Funding Summary's. He has also been a member of the team that conducts Independent Logistic Assessments and ILS reviews of SPAWAR systems prior to ship installations. Dan's code is PMW 183MLC.

Welcome Aboard Dan!

IMPORTANT DATES:

GDFS Charts Version 4.0 Release. . . . . May 02
V4 systems #2 and #3 . . . . . .4th QTR FY02
V4 systems #4 and #5 . . . . . .1st QTR FY03

ISEA AND MMF SUPPORT

SPAWARSYSCEN (SSC) San Diego Code 2335 provides full In-Service Engineering Agent (ISEA) support for MIUW-SU, including maintenance, training, equipment grooms, FAK spare parts, CASREP coordination and technical assistance to Units via the MIUW Maintenance Facility (MMF). The MMF provides 24/7 Help Desk coverage support for all MIUW units. This service directly assists Units with their maintenance and any other equipment related problems. The MIUW Help Desk phone, toll free anytime, is (888) 571-6388.

Current System Upgrade Status

The current configuration re-baseline is designed to bring all systems to the baseline configuration of the last AN/TSQ-108A(V)3 production systems. Work has been divided into Phase 1 and Phase 2 efforts.

Phase 1 includes upgrades of the Mobile Sensor Platform (MSP) Thermal Imaging Visual Imaging System (TIS/VIS) and Generator Set (Genset), addition of the new Electronic Support Measures (ESM) capability to the Van, and inclusion of the LASS array capability in the AN/SQR-17A sonar system. The Phase 1 process is complete with the exception of upgrading the AN/SQR-17A systems array capability. All ESM "Roadrunner" systems have been installed and tested. We have also distributed updated ESM library disks to all Units.

Phase 2 consists of the communication suite upgrades, which started July 2000 and will be completed by August 2002. The ISEA and contractor team have completed 9 upgrades. Three systems are in process at SSC-SD at this time. Training on the new communications equipment is provided to each receiving Unit as part of this process.

CASREP REPORTING

SPAWAR is not always aware that a CASREP exists. This is due to an incorrect PLAD being used or omitted all together on CASREP messages.

NWP 1-03.1 provides guidance and CASREP addressing requirements. CNO/ OPNAV has created a web site with the message addressing (PLAD) requirements of NWP 1-03.1. This page is updated as requirements change. There is a section that outlines MIUW CASREP reporting PLADs in addition to those already required by the CNO/OPNAV.

The web site is located at: http://www.hq.navy.mil/n3n5/ncc/casrep.htm. This link is posted on the MIUW-SU Technical Support Help Page (http://www.spawar.navy.mil/fleet/miuw-help/index.html). Please verify that you are including all of the correct (and required) PLADs on your CASREPS.

V4 System setup at Battery Humphrey

GDFS CHARTS

Version 4.0 has been completed and is undergoing testing before being released. Expected release date is 5/30/01. (10) new chart locations have been added for a total of (88) charts.

Remember that GDFS includes functionality to create additional maps if required. Modification of GDFS Charts can be done in the field to add points, text, etc., however, changes to land/coastline are limited only to charts under 2000 vectors of which there are few. To request additional maps that are not in the current version of GDFS CHARTS, units or NCW Groups should send their request via naval message to the MIUW Program Office, SPAWAR PMW 183, and copy SSC-SD 2372 and SSC-SD 2335. Any questions as to the usage of GDFS CHARTS should be directed to the MIUW Help Desk at 1-888-571-6388.

System Grooms Team Training

System grooms and team training for MIUWU 101 and 102 were conducted during October and November 2001, during November to December 2001 for MIUWU 202 and 208, and in January 2002 for MIUWU 207. The system grooms and team training consisted of about 5 days of detailed system-by-system equipment checks followed by 7 days of operational training emphasizing hands-on operator training. Subjects included the Radar Sonar Surveillance Center (RSSC) Van, the Portable Sensor Platform (PSP), and the Mobile Sensor Platform (MSP). These major subsystems were discussed in the context of the overall MIUW-SU and as individual systems. Lectures stressing JQRs and practical training were presented followed by equipment training that emphasized hands-on application.

Basic training in system operation and maintenance of the MIUW-SU equipment included the Communications System, Graphical Data Fusion System (GDFS), Global Command Control System – Maritime (GCCS-M), AN/SQR-17A ASW Processor, MSP and PSP operation, as well as the Electronic Support Measures (ESM) System and the Readiness Trainer System (RTS). The maintenance training emphasized procedures to isolate faults using Built-in-Tests (BIT) and standard troubleshooting techniques. Student Guides and procedural checklists that were developed for the RSSC, PSP and MSP showing set-up/power-up and takedown/power-down procedures were used extensively through the training periods.

The training presented by the ISEA/MMF was an extension of the training provided during previous Fleet Introductory Training (FIT) periods. During the hands-on portion, students had extensive opportunities to practice operating as a watch team/section in order to develop and hone skills they need to meet projected operational requirements.

The grooms and team training have been very well received with positive feedback from all the students involved. One unit passed a Final Evaluation Problem (FEP) by their Group Commander with "Flying Colors" one week after completing their groom and training new personnel. NCW Group Training Officers are in the processes of developing schedules for additional unit grooms and training in the upcoming months and the SPAWAR team looks forward to continuing this support.

GDFS COMMON PICTURE

SPAWAR has responded to a Fleet request and has developed the capability to provide the GDFS picture to the Coast Guard. This capability was implemented in December 2001. The GDFS feed is provided using a GDFS client laptop computer via phone line with STU-III encryption devices on each end. The remote GDFS terminal is updated every ten seconds. The user of the remote terminal cannot control the sensors (e.g. turn on/off radars); however, he/she is able to use GDFS tools and view tracks as well as the data associated with the tracks. SPAWAR has responded to a request to provide a similar feed to the Fleet Command Ship. This was accomplished in January 2002. Due to the recent high level of interest from various activities in the GDFS tactical display, SPAWAR is investigating plans to develop a capability to provide the GDFS tactical display information to multiple users using a centralized server which will then multicast the GDFS information.

V4 system operational at North Island

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